

**(19) World Intellectual Property Organization
International Bureau**



**(43) International Publication Date
15 September 2005 (15.09.2005)**

PCT

(10) International Publication Number
WO 2005/085105 A1

(51) **International Patent Classification⁷:** B65G 53/24,
53/60, F04F 5/20, B01D 47/10, B65F 5/00 // B65G 53/62

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number: PCT/FI2005/000133

84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(22) International Filing Date: 2 March 2005 (02.03.2005)

(25) Filing Language: Finnish

(26) Publication Language: English

(30) Priority Data: 62010511 016 1 0001 (22 22 2221) 111

(71) **Applicant (for all designated States except US): MARI-CAR OV** [FI/EU]: P.O. BOX 36, FI-01451 Vantaa (FI)

(72) Inventor; and
(75) Inventor/Applicant (for US only): **SUNDHOLM, Göran**
[EU/EU]: Ilmari Kiannon katu 3, FI-04310 Tampere (EU)

(74) Agent: HEINÄNEN OY; Annankatu 31-33 C, FI-00100 Helsinki (FI).

(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN.

(54) Title: METHOD AND APPARATUS FOR CONVEYING MATERIAL

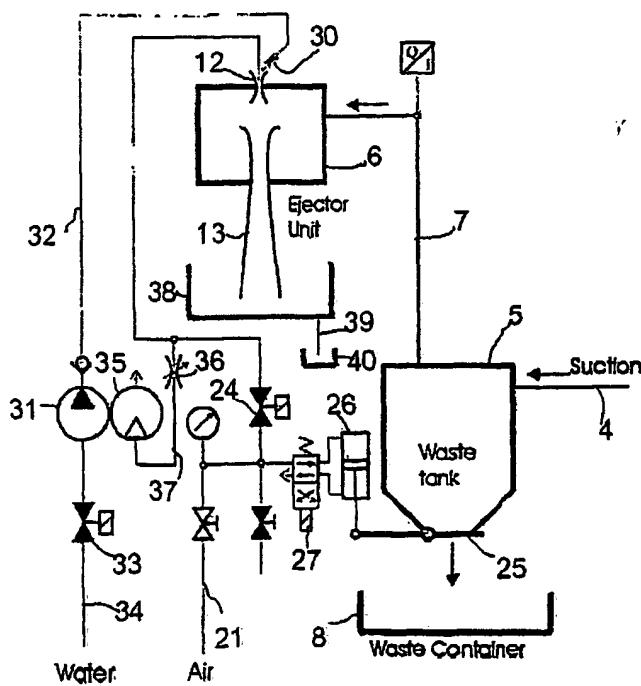
Declarations under Rule 4.17:

- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*
- *of inventorship (Rule 4.17(iv)) for US only*

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



(57) Abstract: A method for conveying material, advantageously food-industry bulk material, especially cutting offals or food waste, by means of a pressure difference in a conveying pipe (4). In the method, material is fed to the conveying pipe (4), and further in the conveying pipe to a separator device (5) in which the transferred material is separated from conveying air. In the method, to the conveying pipe (4) is achieved underpressure with an ejector apparatus (6) the suction side of which is connected to the separator device (5), which ejector apparatus is operated with an actuating medium. To the ejector apparatus (6) is brought a second medium, especially a liquidous and/or gaseous medium.